

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 14-Dec-2022

Time: Three Hours

Max. Marks: 100 Marks

NEURO PHYSIOTHERAPY (RS3 & RS4)

Q.P. CODE: 2720

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Second Question choice)

2 x 10 = 20 Marks

1. 22-year-old male suffering from complete cord injury at D11 – D12 level for duration of 3 months. Write the Physiotherapy assessment and management of the same.
2. Explain in detail the Parkinson's disease. Discuss evaluation and its Physiotherapy Management.

OR

Causes for brachial plexus palsy. Explain Assessment and PT management for a six-month-old baby with Erb's palsy.

SHORT ESSAYS (Question No.3 & 12 choice)

10 x 5 = 50 Marks

3. Explain about management of gait in stroke.

OR

Assessment of motor function

4. Write in detail PT management of idiopathic bell's palsy.
5. Orthotic prescription for spina bifida
6. Principles of roods approach
7. Explain the PT management for deformity in Multiple sclerosis.
8. How will you evaluate coordination?
9. Causes and management of postural hypotension in case of spinal cord injury
10. How will you manage an ataxic cerebral palsy case?
11. Assessment and management of Hydrocephalus
12. Bladder management for cauda equina lesion

OR

Uses of yoga in neurological conditions

SHORT ANSWERS

10 x 3 = 30 Marks

13. Babinski sign
14. Grades of rigidity
15. Doll's eye phenomenon
16. Dissociated sensory loss
17. Causes of brachial plexus injury
18. Romberg's test
19. Slump test
20. Evaluation of fourth cranial nerve
21. Aneurysm
22. Sunset sign

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 16-Dec-2022

Time: Three Hours

Max. Marks: 80 Marks

COMMUNITY MEDICINE

(RS3 & RS4)

Q.P. CODE: 2721

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

ESSAYS TYPE (Answer any One)

1 x 10 = 10 Marks

1. Classify mental illness. Explain the role of physiotherapist in prevention and management of mental retardation.
2. What is screening? Explain the objectives and types of screening.

SHORT ESSAYS TYPE (Answer any Eight)

8 x 5 = 40 Marks

3. Determinants of health.
4. Post-natal care.
5. Community nutrition programmes.
6. Incidence and prevalence.
7. Water borne diseases.
8. Measles vaccines.
9. Barriers in communication.
10. Pulse polio immunization.
11. Approaches to health education.
12. Health hazards.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Epidemiology triad.
14. Window period in HIV.
15. Vitamin A prophylaxis.
16. Surface infection.
17. DOTS in Tuberculosis.
18. Write a short note on community nutrition programmes.
19. List the stages of demographic cycle.
20. Crude death rate.
21. Nosocomial infection.
22. Cohort study.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year BPT Degree Examination – 19-Dec-2022

Time: Three Hours

Max. Marks: 100 Marks

COMMUNITY BASED REHABILITATION

(RS3 & RS4)

Q.P. CODE: 2722

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary

LONG ESSAYS (Second Question choice)

2 x 10 = 20 Marks

1. Define rehabilitation and write need and objectives of community-based rehabilitation. Mention any five differences between institutional and community-based rehabilitation.
2. Define disability. Explain the types of disability. Add a note on disability evaluation.

OR

Define ageing. Explain rehabilitation of Parkinson's patient in community setup.

SHORT ESSAYS (Question No.3 & 12 choice)

10 x 5 = 50 Marks

3. Ergonomic advice for pregnant women

OR

What are International Health Organization?

4. Brief about ICF
5. Role of physiotherapist in the different levels of prevention of disability
6. Mobile units
7. Benefits for people with disability according to the PWD Act
8. District rehabilitation centers
9. Explain functions of primary health centers.
10. Immunization programmes
11. Differentiate work hardening and conditioning.
12. Role of social worker in CBR

OR

List the national developmental programme

SHORT ANSWERS

10 x 3 = 30 Marks

13. What is PWD Act?
14. Define handicapped.
15. Iatrogenic drug reaction
16. What is morbidity?
17. Functions of WHO
18. Biological hazards
19. Two functions of primary rehabilitation unit
20. What are the environmental barriers faced by people with visual disability?
21. Camp approach
22. What is prevalence and incidence?

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year BPT Degree Examination – 19-Dec-2022

Time: Three Hours

Max. Marks: 100 Marks

COMMUNITY BASED REHABILITATION

(RS3 & RS4)

Q.P. CODE: 2722

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Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 12-Dec-2022

Time: 3 Hours

Max. Marks: 40 Marks

NEUROLOGY - (RS3 & RS4)

Q.P. Code: 2723

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

(Note: Both QP Codes 2723 and 2724 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. What are muscular dystrophies? Write detailed about clinical features and management of Duchenne muscular dystrophy.
2. Describe clinical features and management of poliomyelitis.

SHORT ESSAYS (Answer any Four)

3 x 5 = 15 Marks

3. Explain causes and clinical features of cerebellar ataxia.
4. Write short note on spinal muscular atrophy.
5. Define epilepsy and classify epilepsy.
6. Explain the functions of facial nerve.

SHORT ANSWERS

5 x 3 = 15 Marks

7. Transient ischemic attack
8. Wrist drop
9. Difference between spasticity and rigidity
10. Nystagmus
11. What is Spina Bifida?

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 12-Dec-2022

Time: 3 Hours

Max. Marks: 40 Marks

NEUROSURGERY - (RS3 & RS4)

Q.P. Code: 2724

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

(Note: Both QP Codes 2723 and 2724 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Define Hydrocephalus. Write in detail the causes, clinical features and surgical management of the same.
2. Write in detail the classification, clinical features, investigations and management of Peripheral Nerve Injury.

SHORT ESSAYS (Answer any Three)

3 x 5 = 15 Marks

3. Define Spinal cord injuries and write the clinical features and surgical management of the same.
4. Write the clinical features and surgical management of Cerebral Palsy.
5. Differentiate between craniotomy and Cranioplasty.
6. Write the surgical management of Parkinsonism.

SHORT ANSWERS

5 x 3 = 15 Marks

7. Burr hole surgery.
8. Causes of increased ICP.
9. Weber's test.
10. Enumerate pituitary tumors.
11. Enumerate test for brain death.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 12-Dec-2022

Time: 3 Hours

Max. Marks: 80 Marks

NEUROLOGY AND NEUROSURGERY (RS-5)

Q.P. Code: 2747

Your answers should be specific to the questions asked.

Draw neat, labeled diagrams wherever necessary.

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Define head injury. Add a note on its classification, clinical investigation and its management
2. Write about post polio syndrome, its pathophysiology, clinical features and management

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Evoked potentials
4. Parkinson's disease
5. Cerebro Spinal Fluid flow
6. Craniotomy
7. **Write a note on Wilson's disease**
8. Clinical features of autism
9. Guillain-Barre syndrome
10. Radial nerve palsy
11. Arnold-chiari malformations
12. Define epilepsy and classify epilepsy

SHORT ANSWERS

10 x 3 = 30 Marks

13. Benign Paroxysmal Positional Vertigo
14. Define spasticity
15. Nystagmus
16. Shunting
17. Alcohol toxicity
18. Syphilis
19. Babinski sign
20. Clinical features seen during lesion of spinal accessory nerve
21. Investigations for multiple sclerosis
22. Embolisation

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination – 14-Dec-2022

Time: Three Hours

Max. Marks: 80 Marks

COMMUNITY MEDICINE (RS5)

Q.P. CODE: 2748

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary.

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Describe the epidemiology, prevention and control of Diabetes Mellitus
2. What is ergonomics? Write in detail about the benefits to the employees under the Employees State Insurance Act (ESI Act)

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Determinants of health
4. Write the advantages and disadvantages of cohort study
5. Write the revised diagnostic algorithm of pulmonary tuberculosis as per national program
6. Lymphoedema management in lymphatic filariasis
7. Treatment of uncomplicated Vivax malaria
8. Causes and prevention of low birth weight
9. Write briefly about the health
10. Explain balanced diet
11. Write briefly on the methods of treatment and disposal of health care waste
12. Differentiate group discussion and panel discussion

SHORT ANSWERS

10 x 3 = 30 Marks

13. Disease eradication
14. Endemic disease
15. Pentavalent vaccine
16. Sensitivity and specificity of a screening test
17. Body Mass Index
18. Small family norm
19. Name six diseases transmitted by mosquitoes
20. Triage in disasters
21. Sickness absenteeism
22. Characteristics of a mentally healthy person

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 16-Dec-2022

Time: Three Hours

Max. Marks: 100 Marks

NEURO PHYSIOTHERAPY (RS5)

Q.P. CODE: 2749

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAYS (Second Question Choice)

2 x 10 = 20 Marks

1. Define and classify stroke. Enumerate the typical clinical features of Middle Cerebral Artery (MCA) territory stroke. Discuss hemiplegic shoulder pain and its physiotherapy management.
2. Define and classify cerebral palsy. Explain the physiotherapy management of a 8 year old child with spastic diplegia.

OR

Write in detail about the physiotherapy assessment and management for a 24 years old male with Guillian Barre syndrome.

SHORT ESSAYS (Question No 3 & 12 choice)

10 x 5 = 50 Marks

3. Describe typical ataxic gait and explain physiotherapy strategies to improve ataxic gait.

OR

Explain developmental screening and its clinical importance.

4. Enumerate the functions and explain clinical evaluation of Cranial nerve V.
5. Describe the clinical presentation of Bell's palsy. Add a note on Chronaxie and Rheobase.
6. Discuss the clinical methods to prepare a paraplegic patient for wheel chair ambulation.
7. Explain clinical features and physiotherapy management of lumbar canal stenosis.
8. Explain the approach of Constraint Induced Movement therapy in hemiplegic upper extremity rehabilitation.
9. Enumerate the clinical features of Down's syndrome and discuss the Physiotherapy management strategies.
10. Describe Symmetrical Tonic Neck Reflex (STNR) and explain the spatial, temporal and physical parameters observed in STNR.
11. Explain Frederick's ataxia, its clinical features and physiotherapy management.
12. Write a note on Transverse Myelitis and role of physiotherapy in its management.

OR

Define tone and explain the clinical methods to evaluate spasticity.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Kernig's sign.
14. What is Somatognosia?
15. Define rigidity.
16. Define Dysphagia.
17. Enumerate four clinical features of Hydrocephalus.
18. Mention four clinical features of Autism.
19. What are the Cerebro Spinal Fluid findings in Pyogenic Meningitis?
20. What is Wallenberg syndrome?
21. What is Pusher's syndrome?
22. Define Apraxia.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 19-Dec-2022

Time: Three Hours

Max. Marks: 100 Marks

COMMUNITY PHYSIOTHERAPY (RS5)

Q.P. CODE: 2750

Your answers should be specific to the questions asked
Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Second Question choice)

2 x 10 = 20 Marks

1. Explain in detail the ergonomic evaluation and ergonomic modification of a tailor by profession at work place.
2. Define community based rehabilitation. Describe the various models, scope and objectives of CBR.

OR

Define aging. Explain in detail physiology of aging. What is the role of physiotherapy in Geriatric rehabilitation?

SHORT ESSAYS (Question No.3 & 12 choice)

10 x 5 = 50 Marks

3. Write a note on primary **health centre** rehabilitation.

OR

What is CBR program? Add a note on its advantages and disadvantages.

4. Explain the role of social worker in community physiotherapy.
5. Explain the principles of exercise prescription in a community rehabilitation program for a 65 year sedentary obese female diagnosed with Type II diabetes.
6. Explain extension services and its need.
7. Write a note on district rehabilitation centre.
8. What is disability evaluation? Uses of disability evaluation.
9. Brief note on National Immunization Programs.
10. Role of non-governmental organisation in CBR.
11. What are the occupational health hazards? Explain any one with example.
12. Write a note on ILO

OR

Vocational rehabilitation service for disabled people.

SHORT ANSWERS

10 x 3 = 30 Marks

13. Meals on wheels.
14. Residential home.
15. Village rehabilitation worker.
16. Role of ASHA worker.
17. Write a note on WHO
18. Home programme for patient with incontinence.
19. Name few lifestyle disorders.
20. List the characteristics of a community.
21. Enlist the members of CBR team.
22. Define Quarantine.

Rajiv Gandhi University of Health Sciences, Karnataka

IV Year B.P.T. Degree Examination - 21-Dec-2022

Time: Three Hours

Max. Marks: 80

RESEARCH METHODOLOGY AND BIOSTATISTICS (RS-5)

Q.P. CODE: 2751

Your answers should be specific to the questions asked

Draw neat labeled diagrams wherever necessary

LONG ESSAYS (Answer any One)

1 x 10 = 10 Marks

1. Define research. Explain different types of research
2. Explain in detail testing hypothesis

SHORT ESSAYS (Answer any Eight)

8 x 5 = 40 Marks

3. Importance of biostatistics
4. Steps involved in problem statement
5. Types of variables
6. Experimental research design
7. Explain various methods of data collection
8. Graphical presentation of data
9. Sources of error in measurement
10. Different methods of sampling
11. Processing and analysis of data
12. Role of computer in research

SHORT ANSWERS

10 x 3 = 30 Marks

13. Sampling frame
14. One tailed and two tailed test
15. Tabulation
16. Skewness of data
17. What you mean by ANOVA?
18. Types of error
19. Level of significance
20. Types of editing
21. Central tendency
22. Normal probability curve
